

## Summary of the Main Changes in the SEQ Code *Asset Information Specification* (Version 2.0 to Version 3.0)

This update corrects some minor mistakes in the previous version AND edits existing sections and adds new sections to aid clarity.

The main substantive changes relate to the adoption of the new ADAC standard Version 5.01. Submissions of ADAC xml files to the 4.2 standard will be accepted until 31 October 2020, ADAC xml files may be submitted in the V4.2 format or V5.01 format until the cut-off date.

The requirements for standard drawing scales in section 6.19 have been changed.

In relation to the new ADAC standard V5.01, a full comparison can be downloaded from the IPWEAQ's website at the following link [ADAC\\_Changes\\_V420\\_to\\_V5.01](#)

The main changes to the *Asset Information Specification* (AIS) are:

To accommodate the recent name change of Urban Utilities, the owner attribute should be set to "UU" not "Q" as used previously.

The most common type of joint type for gravity sewer pipes, pressure sewer types and water supply pipes is rubber ring joints. In V4.2 this was designated in the attributes sewer\_pipe\_jointtype and water\_pipe\_jointtype as "RR". Version 5.01 changes this to "RRJ".

For both water mains and sewerage rising (pressure) mains, any instances of "Zinalium" changes to "Zinc-Aluminium Alloy"

For sewer maintenance holes roofs, roof materials (sewer\_mh\_roofmaterial) changes from "GRP" (Glass reinforced plastic) to "FRP" (Fibre Reinforced Plastic).

For sewer maintenance structure lid materials, (sewer\_mh\_lidmaterial) "No\_Lid" changes to "No Lid".

For water mains, the Average\_depth\_m attribute is renamed Depth\_m

For water services, the attribute Diameter has been renamed Diameter\_mm

The designations for pipe bedding types have completely changed and are now identical regardless of whether a pipe is a gravity sewer pipe, a pressure sewer (rising main) or a water main. In the ADAC 4.1 and 4.2 schemas water pipe bedding can be entered as number-designated types or letter-designated types (Type 1-13 and Type A-M). In the SEQ Code AIS, submitters to Version 4.2 are instructed to use only the numerical codes for water pipe bedding even though the alpha-types are legal values.

The new codes for Version 5.01 are no longer based on WSAA bedding types. Please note, there is no designation in the new V5.01` schema codes equivalent to the old Type 1/Type A. The nearest equivalent is "GBH", which is actually SEQ type 2/Type B. Similarly, whereas both WSAA and the SEQ Codes differentiate between reinforced and unreinforced concrete and between where geotextile is wrapped around the bedding only or the entire bedding and surround, the ADAC committee agreed that from a valuation and maintenance point of view, differentiating was unnecessary and would be unduly complex. Therefore, SEQ Code Type4/TypeD now share the same code as Type 7/ Type G, and SEQ Code Type 5/ Type E is the same as Type 6/Type F.

Below is a table that shows the equivalence between the ADAC Version 4.2 and the ADAC Version 5.01 pipe bedding codes.

ADAC 4.2/SEQ Code	ADAC V5.01	5.01 Description
Type 1, Type A	GBH	Granular bed and haunch
Type 2, Type B	GBH	Granular bed and haunch
Type 3, Type C	GBS	Granular bed and surround
Type 4, Type D	GBSonGTP	Granular bed and surround on geo-textile pillow
Type 5, Type E	GBSonConc	Granular bed and surround on concrete support
Type 6, Type F	GBSonConc	Granular bed and surround on concrete support
Type 7 Type G	GBSonGTP	Granular bed and surround on geo-textile pillow
Type 8 Type H	GBSonCSS	Granular bed and surround on cement stabilised support
Type 9, Type I	ConcBS	Concrete bed and surround
Type 10, Type J	CemStabBS	Cement stabilised bed and surround
Type 11	GBSonPiles	Granular bed and surround on piles
Type 12	ConcBSonPiles	Concrete bed and surround on piles
Type 13	GBSonPiles	Granular bed and surround on piles
Not in 4.2	Natural	Pipe laid directly on natural in-situ material
Above Ground	Above Ground	Pipe is above ground on piers or a bridge deck
Not in 4.2	None	Pipe installed by Thrust bored or Trenchless method
Not in 4.2	Enveloped	Pipe is within an enveloper pipe
Other	Other	Another type of embedment type that is not already included in the standard types
Unknown	Unknown	Embedment Type unknown at time of data submission
EB_1	EB_1	A non-standard or new type of embedment as agreed with the data receiving entity
EB_2	EB_2	A non-standard or new type of embedment as agreed with the data receiving entity